

Amendments to the Claims

Please amend the claims as follows:

1 – 27 (cancelled)

28. (new) A transceiver that provides an interface between a television camera and a fiber optic cable, where the television camera transmits one or more input baseband television signals and receives one or more output baseband television signals, and the fiber optic cable carries one or more output optical signals from the transceiver and one or more input optical signals to the transceiver, the transceiver comprising:

a transmitter that receives the input baseband television signals, converts the input baseband television signals into the output optical signals, and transmits the output optical signals to the fiber optic cable, wherein the input baseband television signals are not arranged in a frequency division multiplex format;

a receiver that receives the input optical signals, converts the input optical signals into the output baseband television signals, and transmits the output baseband television signals to the television camera, wherein the output baseband television signals are not arranged in a frequency division multiplex format; and

a housing that contains the transmitter and the receiver, the housing having features that configure it to be directly or indirectly coupled to one or more features on the television camera.

29. (new) The transceiver of claim 28, wherein the transceiver is powered by a nominal 12 volt direct current signal from the television camera.

30. (new) The transceiver of claim 28, the housing further having features that configure it to be directly coupled to one or more mating features on a battery.

31. (new) The transceiver of claim 30, wherein the transceiver is powered by a nominal 12 volt direct current signal from the battery.

32. (new) The transceiver of claim 28, further comprising a circuit that selects a power source for the transceiver from one of a nominal 12 volt direct current signal from the television camera and a nominal 12 volt direct current signal from a battery, where the battery is directly coupled to the housing.

33. (new) The transceiver of claim 28, wherein the housing includes a first mounting structure located on a first side that mounts the housing to the television camera and a second mounting structure on a second side that mounts the housing to a battery.

34. (new) The transceiver of claim 28, further comprising a fiber input/output port coupled to the fiber optic cable.

35. (new) The transceiver of claim 34, further comprising a wave division multiplexer coupled to the fiber input/output port for multiplexing the input optical signals and the output optical signals to permit bidirectional communication on the fiber optic cable.

36. (new) The transceiver of claim 28, wherein the input baseband television signal includes a video signal.

37. (new) The transceiver of claim 28, wherein the input baseband television signal includes an audio signal.

38. (new) The transceiver of claim 28, wherein the input baseband television signal includes a data signal.

39. (new) The transceiver of claim 28, wherein the output baseband television signal includes a video signal.

40. (new) The transceiver of claim 28, wherein the output baseband television signal includes an audio signal.
41. (new) The transceiver of claim 28, wherein the output baseband television signal includes a data signal.
42. (new) The transceiver of claim 28, further comprising a multiplexer that multiplexes the input baseband television signals into a multiplexed input baseband television signal, and an electrical-to-optical converter that converts the multiplexed input baseband television signal into the output optical signal.
43. (new) The transceiver of claim 28, further comprising an optical-to-electrical converter that converts the input optical signal into a multiplexed output baseband television signal and a demultiplexer that demultiplexes the multiplexed output baseband television signal into the output baseband television signal.
44. (new) An apparatus comprising:
- a housing that contains a transceiver, the housing have a first mounting structure located on a first side of the housing, a second mounting structure located on a second side of the housing, and features that configure the housing to be directly coupled to one or more mating features on a fiber optic cable, where the fiber optic cable carries one or more output optical signals from the transceiver and one or more input optical signals to the transceiver;
 - a television camera mounted to the first mounting structure of the housing, where the television camera transmits one or more input baseband television signals and receives one or more output baseband television signals; and
 - the transceiver comprises a transmitter and a receiver, where the transmitter receives the

input baseband television signals, converts the input baseband television signals into the output optical signals, and transmits the output optical signals to the fiber optic cable, and the receiver receives the input optical signals, converts the input optical signals into the output baseband television signals, and transmits the output baseband television signals to the television camera, and the input baseband television signals and the output baseband television signals are not arranged in a frequency division multiplex format.

45. (new) The apparatus of claim 44, further comprising a battery mounted to the second mounting structure of the housing, where the battery provides a nominal 12 volt direct current signal to power the transceiver.

46. (new) The apparatus of claim 44, further comprising a circuit that selects a power source from one of a nominal 12 volt direct current signal from the television camera and a nominal 12 volt direct current signal from a battery mounted to the second mounting structure of the housing.

47. (new) A system that provides an interface between a television camera and a video production facility, where the video production facility transmits and the television camera receives one or more output baseband television signals, and the television camera transmits and the video production facility receives one or more input baseband television signals, wherein the input baseband television signals and the output baseband television signals are not arranged in a frequency division multiplex format, the system comprising:

- a first transceiver mounted to the television camera;

- a second transceiver coupled to the video production facility;

- a fiber optic cable coupled between the first transceiver and the second transceiver;

- where the first transceiver converts the input baseband television signals from the

television camera into an output optical signal, and transmits the output optical signal to the second transceiver over the fiber optic cable, and the second transceiver converts the output optical signal from the first transceiver into the input baseband television signal and transmits the input baseband television signal to the video production facility; and

where the second transceiver converts the output baseband television signals from the video production facility into an input optical signal, and transmits the input optical signal to the first transceiver over the fiber optic cable, and the first transceiver converts the input optical signal from the second transceiver into the output baseband television signal and transmits the output baseband television signal to the television camera.

48. (new) The system of claim 47, where the first transceiver is contained in a housing, the housing including a first mounting structure located on a first side of the housing and a second mounting structure located on a second side of the housing, where the television camera is mounted to the first mounting structure of the housing.

49. (new) The system of claim 48, further including a battery mounted to the second mounting structure of the housing.

50. (new) The system of claim 49, where the first transceiver is powered by a nominal 12 volt direct current signal from the battery.

51. (new) The system of claim 47, where the first transceiver is powered by a nominal 12 volt direct current signal from the television camera.